



REPLY TO  
ATTENTION OF:

## DEPARTMENT OF THE ARMY

HEADQUARTERS, U.S. ARMY ALASKA  
600 RICHARDSON DRIVE # 5000  
FORT RICHARDSON, ALASKA 99505-5000



APVR-RPTM-TR

26 August 1998

## MEMORANDUM FOR SEE DISTRIBUTION

SUBJECT: Memorandum of Understanding (MOU) between the USARAK and 11th Air Force  
on Simultaneous Use of Simpsonville

1. The enclosed MOU is currently in effect and is applicable to all units/agencies associated with R2202, Oklahoma Training Area, Delta Creek Bombing Range and the Simpsonville CALFEX site.

2. POC Mr. Jim Breun, 384-1723.

FOR THE COMMANDER:

DAVID L. ANDERSON  
LTC, GS

Director of Plans, Training  
Security and Mobilization

## DISTRIBUTION:

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**MEMORANDUM OF UNDERSTANDING  
BETWEEN  
US ARMY ALASKA  
AND  
11TH AIR FORCE**

SUBJECT: Memorandum of Understanding (MOU) for joint and simultaneous use of the Combined Arms Live Fire Range (Simpsonville) located on western side of the Delta Creek Live Impact Area within the Fort Greely Military Reservation

1. PURPOSE. This MOU specifies the obligations that each service incurs to efficiently and safely utilize R-2202 airspace, impact areas, ground vehicle routes, and adjacent lands and airspace. The mutual goal is to provide realistic joint training between air and ground forces on a recurring basis, tailored to maximize both joint and individual service training objectives. Additionally, during times of simultaneous use that is not part of a coordinated joint training exercise, procedures need to be established to deconflict Army and Air Force use.
2. DEFINITIONS.
  - a. Joint Operations: Mutually coordinated Army and Air Force training operations occurring as part of a joint exercise.
  - b. Simultaneous Operations: Army and Air Force training operations occurring together but not as part of a mutually coordinated joint exercise.
  - c. Simpsonville (Grid WF212919): A simulated village of temporary wooden structures and fortifications constructed for military operations on urban terrain (MOUT) training. The location of the MOUT site provides ground units the opportunity to practice combat tactics within close proximity to air delivered munitions, indirect artillery fires, demolition operations, air assault, and airborne operations.
  - d. Simpsonville Coordination Area: Airspace within R-2202 which, when activated, allows Army and Air Force units to operate on separate portions of the range simultaneously. Simpsonville Coordination Area boundaries are: 63°59'27"N 146°47'42"W (WF100960), east to 63°59'27"N 146°31'50"W (WF230960), south to 63°55'48"N 146°28'06"W (WF260890), west to 63°55'48"N 146°47'42"W (WF100890) and then north to the point of beginning. The vertical limits will be the minimum necessary to contain the scheduled activities. When Simpsonville Coordination Area is "hot," Air Force activities are restricted from operating in the area. Unannounced artillery/mortar firing and helicopter operations may occur when Simpsonville Coordination Area is "hot." Artillery and other dud producing ordnance must be contained in the portion of the impact area that is within the Simpsonville Coordination Area. Activation of the Coordination Area does not authorize ground entry into the impact area or in an area southeast of a line from 63°55'48"N 146°37'55"W (WF180890) to 63°57'14"N 146°33'50"W (WF212918).

- (1) Two helicopter boundaries are established between Allen Army Airfield and Simpsonville to allow simultaneous helicopter and fixed wing operations. Army aviation will remain north of the north boundary or south of the south boundary when operating simultaneously with Air Force aircraft in R-2202. Eielson Range Control will routinely clear Army aviation into R-2202 when scheduled for simultaneous use with Air Force aircraft. The North Boundary is: Allen Army Airfield to 64°02'00"N 145°52'00"W (WG555015), to 64°05'00"N 146°20'18"W (WG324064), to 63°59'30"N 146°37'55"W (WF180960). The South Boundary is: Allen Army Airfield to 63°57'00"N 145°38'00"W (WF668924), to 63°54'24"N 146°08'00"W (WF426874), to 63°53'12"N 146°35'15"W (WF203843), to 63°56'10"N 146°37'40"W (WF183898).
- (2) A seasonal ground trail, hereafter referred to as the Hagar Highway, will be employed as environmental conditions permit for travel from Allen Army Airfield to Simpsonville. The trail will be constructed, with one exception, so as to remain outside of, but in close proximity to, the Oklahoma Impact Area boundary as depicted on the Fort Greely East and West Installation charts. The exception will be a deviation around the impact area of the Port Convoy target defined by a line extended sequentially through the points WG300016, WG250970, WG235965, WG225955, and WG225934. The trail will be considered active at ALL times during simultaneous and joint operations, unless arrangements for personnel and vehicle control on the Hagar Highway has been coordinated and disseminated to the affected participants. Without prior coordination, only dry/simulated deliveries may be executed on the Port Convoy and Delta Creek Sub Pen targets.

### 3. RESOURCE MANAGEMENT.

#### a. US ARMY FORCES and those under the control of the USARAK will:

- (1) Comply with the most restrictive of applicable procedures found in this and previous Memorandums of Understanding, and as incorporated into USARAK Reg. 350-2.
- (2) Fire live and inert ordnance only on the North Convoy Target, Grid WF213909 or other unit emplaced targets. Unit emplaced targets will be positioned so as not to impede EOD access to Air Force targets or stockpiled scrap metal locations. Army weapons and ordnance systems will not fire on any EOD access route, the South Convoy, Grid WF217884, the Port Convoy, Grid WF248948, or any other USAF emplaced target in the Oklahoma Impact Area located east of the 27 grid line.
- (3) Comply with parent or host unit Standard Operating Procedures (SOP).

#### b. US AIR FORCES and those under the control of 11 AF will:

- (1) Comply with the most restrictive of applicable procedures found in this and previous Memorandums of Understanding, and as incorporated into 11 AF Supplement to Air Force Instruction (AFI) 13-212.

(2) While conducting simultaneous or joint operations, expend live ordnance only on the South Convoy target, unless arrangements for personnel and vehicle control on the Hagar Highway have been previously coordinated and disseminated to affected participants for ordnance deliveries on the Port Convoy. Do not target Simpsonville structures, the North Convoy or any other Army-emplaced targets, unless requested by the Army. If the Army requests targeting of the North Convoy or other Army-emplaced targets, only inert/training bombs or 20mm/30mm strafe is authorized.

(3) Institutionalize attack heading restrictions in AFIs and disseminate applicable information for publication in other appropriate literature to minimize dangers to other range users. Avoid over-flight of Simpsonville with live ordnance.

c. Army and Air Force EOD teams will, either jointly or separately as applicable, clear the winter access roads adjacent to Delta Creek before environmental conditions prevent effective clearance operations. Subsequent range users will have EOD on site during exercises to remove unexploded munitions that pose a danger to personnel and vehicles operating within their approved areas.

#### 4. SIMULTANEOUS OPERATIONS.

a. Scheduling procedures for simultaneous operations will be conducted in accordance with the existing Operational Memorandum of Understanding. Priorities of use remain unchanged. If unit training requirements do not allow for simultaneous operations, the primary scheduled user has priority. Fort Greely Range Control will annotate in the remarks section of the USARAK Form 279 when the Simpsonville Coordination Area is active, and when helicopter operations are scheduled. Both services will avoid scheduling excessive time blocks for range utilization. Realistic times for activities are required for the memorandum to serve the individual and joint requirements of both services.

b. Simultaneous Army and Air Force air operations are authorized provided a formal deconfliction plan has been agreed to by all parties and forwarded to Fort Greely and Eielson AFB range control offices. Real-time deconfliction using R-2202 UHF working frequency is authorized. Standard deconfliction plan is as discussed in the following paragraphs.

c. Unless otherwise coordinated, Army aviation will restrict air operations to 300 feet AGL and below while remaining north of the North Boundary or south of the South Boundary until within the Simpsonville Coordination Area. Simpsonville Coordination Area will be activated to the minimum altitude required to contain Army activities. Helicopters will not enter R-2202 when this area is scheduled for Air Force operations unless coordinated with and cleared by Eielson Range Control. Army aviation will monitor the R-2202 working frequency at all times while operating in R-2202 simultaneously with Air Force aircraft.

d. Air Force aircraft will restrict operating altitudes to 500 feet AGL and above, and remain clear of the Simpsonville Coordination Area as defined both horizontally and vertically. Prior to weapons delivery operations, visual clearing passes will be conducted to assess that adequate

separation exists between ground troops and delivery run-in lines and impact areas. A-FACs and TACP personnel may assume this responsibility if they can adequately observe the affected areas and so advise delivery aircraft prior to activation of arming systems. Aircraft will not enter R-2202 when scheduled for Army operations unless coordinated with and cleared by Fort Greely Range Control (through Eielson Range Control). Air Force aircraft will monitor the R-2202 working frequency at all times while operating in R-2202 simultaneously with Army aircraft.

- e. Ordnance expenditures on Delta Creek targets will be conducted only after confirmation that ground personnel are outside of the minimum safe distances listed in ANNEX A and helicopter operations are clear of the target area. Aircraft will avoid overflying ground personnel with switches armed. For ordnance deliveries on the South Convoy or Port Convoy, aircraft must be under the control of and cleared to drop by a FAC.
- f. Army aviation and ground units will remain west of the Delta Creek and Oklahoma Impact Areas, and remain northwest of a line from 63°55'48"N 146°37'55"W (WF180890) to 63°57'14"N 146°33'50"W (WF212918) while operating in the Simpsonville Coordination Area. USARAK Reg 350-2 contains procedures for entry into an impact area.
- g. No unit aircraft or personnel will direct weapons at or lock onto participating or passing aircraft unless procedures for engagement have been previously coordinated.

## 5. JOINT OPERATIONS.

- a. Joint operations will be conducted in accordance with the instructions, operations, and air tasking orders developed, coordinated, and disseminated between the services, including both Eielson AFB and Fort Greely range control offices. Airspace deconfliction will be accomplished through detailed joint planning and coordination, and disseminated to the participating services, including both Eielson AFB and Fort Greely range control offices, via an Airspace Coordination Order (ACO) or other similar instruction. Detailed planning for Joint operations will include coordination for the following as applicable to the specific exercise:
  - (1) Targets (CAS, Artillery, Direct Fire)
  - (2) Location of ground personnel
  - (3) Type of ordnance to be used
  - (4) Ordnance ricochet/fragmentation/safety fans
  - (5) Artillery location and deconfliction from aircraft
  - (6) Aircraft/helicopter deconfliction plan

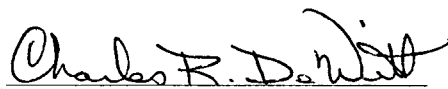
(7) Final control authority for USAF CAS aircraft (must be a USAF qualified FAC, ETAC, or airborne FAC)

- b. In instances where specific guidance is not provided in the applicable exercise instructions or orders, participants will utilize the applicable procedures described for simultaneous operations.
- c. Joint training exercises between Alaskan based Army and Air Force units will be planned and scheduled in accordance with the procedures described in separate MOUs and to which each participant is a signatory. A copy of such MOUs and any subsequent changes shall be distributed to the Eielson AFB and Fort Greely range control offices.
- d. POINTS OF CONTACT.

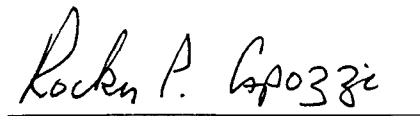
Organization	Function	Phone Number
1-17 IB	S-3	353-2580
1-501 AR	S-3	384-0624
2-1 IB	S-3	353-2493
4-11 FA	S-3	353-1526
4-123 AVB	S-3	353-6195
18 FS	Scheduling	377-6164
355 FS	Scheduling	377-2580
90 FS	Scheduling	552-9053
3 ASOS	Operations	353-6933
Fort Greely Range Control	Army Range Control	873-4714
Eielson Range Control	Air Force Range Control	377-3125

#### 6. MOU ADMINISTRATION.

- a. This MOU is effective on the date of the last signature.
- b. This MOU is in addition to and not a replacement of the 20 Jun 1996 Operational MOU. However, the provisions of this Agreement may be incorporated into revised editions of the Operational MOU.
- c. Reviews will be initiated every two years to determine currency of the agreement unless rescinded after incorporation into appropriate instructions and regulations.

  
CHARLES R. DEWITT  
Colonel, USA  
Chief of Staff  
U.S. Army Alaska

25 Aug 98  
Date

  
ROCKY P. CAPOZZI  
Colonel, USAF  
Commander  
611 Air Operations Group

4 Jun 98  
Date

## ANNEX A (Close Air Support) to Simpsonville MOU

### Simpsonville CALFEX

#### Close Air Support Procedures

1. **APPLICABILITY.** This document addresses procedures to be used during joint operations in the vicinity of the Simpsonville CALFEX complex. Operations in support of major exercises such as NORTHERN EDGE will be executed IAW applicable exercise directives.
2. **COORDINATION.** FSOs will coordinate with TACP personnel (ALO, FAC-A, ETAC) to ensure CAS assets and artillery are safely employed to match the commander's maneuver plan. Targets will be selected to ensure weapons safety footprints, weapons effects, and safe separation from ground personnel criteria are adhered to at all times. In addition, a solid plan must be developed to deconflict artillery fields of fire from aircraft flight paths. Execution briefings to CAS pilots will be IAW JP 3-09.3 Joint Tactics Techniques and Procedures for Close Air Support (J-CAS).
3. **AIRSPACE and COMMUNICATIONS.**
  - a. **Airspace.**
    - (1) All participants will comply with applicable range and airspace regulations, and to the instructions contained herein for simultaneous and joint operations.
    - (2) During joint and simultaneous operations, the following criteria for vertical deconfliction will be observed unless otherwise directed by applicable instruction or order.
      - (a) Rotary Wing: 300 feet AGL and below
      - (b) Fixed Wing: 500 feet AGL and above
      - (c) Artillery: Max Ord - 10,000 feet MSL
    - (3) The TACP and FSO are mutually responsible for deconflicting aircraft (fixed and rotary) from artillery operations, and may change the deconfliction plan at any time. This deconfliction may be any one or a combination of the following standard J-CAS informal ACA measures.
      - (a) Lateral Separation
      - (b) Altitude Separation
      - (c) Timing Separation

- (4) **Contact Points/Initial Points.** Aircraft will enter R2202 from the west via B560. All aircraft will be in radio contact with the TACP prior to entering range airspace. TACP or FAC-A will ensure deconfliction between entering and exiting fighters. All aircraft should maintain VFR hemispheric altitudes during ingress and egress.

CP	IP
B560 WG 006051 (Prim)	B555 WG 324052
B630 WG 336115 (Sec)	B556 WF 091876
	B561 WF 127957
	B562 WF 101987
	B564 WF 222775

b. **Communications.**

- (1) The following frequencies will be used unless directed otherwise by applicable instructions or orders.

Function	UHF	VHF	FM
FAC Check-In	284.0		
Strike Prim	284.0	142.275	38.00
Secondary	308.3	143.750	31.30
Tertiary	311.2	143.8	38.20

- (2) Authentication procedures will be coordinated between participating units.

- (3) Abort calls will be "in the clear" using standard terminology and no codes.

4. **SAFETY.** TACP and FSO personnel are responsible for the safe separation of personnel and equipment on the ground from the effects of ordnance delivered under their control. The following criteria will be used for safe separation determinations.

- a. USAF. No ground personnel within the following distances from the intended target. (Ref ACCR 55-26)

Ordnance	Minimum Safe Distance
BDU-33/BDU-50	500 meters
MK-82	1980 meters
MK-84	2440 meters
2.75in Rockets	1340 meters, also a 60 degree fan downrange to 3050 meters
20mm	500 meters, and 60 degree fan downrange to 4207 meters
30mm	500 meters, and 60 degree fan downrange to 5425 meters for low angle passes below 15 degrees of dive

- b. USA. All ground personnel and aircraft are clear of ordnance safety fans and fragmentation envelopes. See applicable directives.



## R-2202 and Simpsonville

